IN THE CLAIMS:

Please amend the claims as follows:

Please cancel Claims 14 to 22 and 27 without prejudice or disclaimer of subject matter. Please amend the remaining claims, as follows:

1. (Original) A method for performing color management of color image data using a device transform, the method comprising the steps of:

generating an identifier key based on contents of a color measurement profile for a color device, the color measurement profile containing measurement data corresponding to the color device;

determining if a device transform corresponding to the identifier key is present in a device transform cache disposed in a persistent memory;

loading, in the case that it is determined that a device transform corresponding to the identifier key is present in the device transform cache, the device transform into a program-accessible transient memory;

generating, in the case that it is determined that a device transform corresponding to the identifier key is not present in the device transform cache, a device transform based on the measurement data in the color measurement profile, and storing the generated device transform in the device transform cache in correspondence with the identifier key; and

transforming the color image data based on the device transform loaded in the program-accessible transient memory.

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2. (Original) A method according to Claim 1, wherein the identifier key is a device hash code which is generated by applying a hashing algorithm to the color measurement profile.

3. (Original) A method according to Claim 1, wherein the measurement data in the color measurement profile is obtained by using a color target containing colors produced by the color device.

4. (Currently Amended) A method according to ~~Claim 2~~ Claim 3, wherein the color target is generated in accordance with a predetermined standard.

5. (Original) A method according to Claim 1, wherein the color device is selected from a group including a color printer, a display, a scanner and a camera.

6. (Original) A method according to Claim 2, wherein the color measurement profile contains a plurality of data fields, at least one of the plurality of data fields containing the measurement data, and wherein the hashing algorithm performs a hash of at least one of the plurality of the data fields to create the device hash code.

7. (Original) A method according to Claim 2, wherein the hashing algorithm is a predetermined standardized hashing algorithm.

8. (Original) A method according to Claim 2, wherein the hashing algorithm is selected from one of a plurality of predetermined hashing algorithms.

9. (Original) A method according to Claim 1, wherein the persistent memory is a hard disk.

10. (Original) A method according to Claim 1, wherein the program-accessible transient memory is a random access memory which is directly accessible by a central processing unit.

11. (Original) A method according to Claim 1, wherein the device transform cache is a database of device transforms, each device transform being indexed in accordance with an identifier key corresponding to the color measurement profile used to generated the device transform.

12. (Original) A method according to Claim 1, wherein the device transform includes at least one look-up table which is based on the measurement data in the color measurement profile.

13. (Original) A method according to Claim 12, wherein, in the transforming step, the look-up table is accessed and used to map the color image data

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between a device color space corresponding to the color device and a color appearance

space.

14. to 22. (Cancelled)

23. (Currently Amended) A computing device for performing color

management of color image data, comprising:

a program memory for storing process steps executable to perform a method

according to any of Claims 1 to 22 to 13; and

a processor for executing the process steps stored in said program memory.

24. (Currently Amended) Computer-executable process steps stored on a

computer readable medium, said computer-executable process steps for performing color

management of color image data, said computer-executable process steps comprising

process steps executable to perform a method according to any of Claims 1 to 22 to 13.

25. (Currently Amended) A computer-readable medium which stores

computer-executable process steps, the computer-executable process steps for performing

color management of color image data, said computer-executable process steps comprising

process steps executable to perform a method according to any of Claims 1 to 22 to 13.

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26. (Previously Presented) An apparatus for performing color management of color image data using a device transform, comprising:

identifier generating means for generating an identifier key based on contents of a color measurement profile for a color device, the color measurement profile containing measurement data corresponding to the color device;

determining means for determining if a device transform corresponding to the identifier key is present in a device transform cache disposed in a persistent memory;

loading means for loading, in the case that it is determined that a device transform corresponding to the identifier key is present in the device transform cache, the device transform into a program-accessible transient memory;

device transform generating means for generating, in the case that it is determined that a device transform corresponding to the identifier key is not present in the device transform cache, a device transform based on the measurement data in the color measurement profile, and storing the generated device transform in the device transform cache in correspondence with the identifier key; and

transforming means for transforming the color image data based on the device transform loaded in the program-accessible transient memory.

27. (Cancelled)

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